## CERRO COPPER PRODUCTS CO.

A member of The Marmon Group of companies

## INTERNAL MEMORANDUM

1104

153834

HQ-10

SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

10: Paul Tandler

DATE: January 11, 1984

C03660

FROM: Sandy Silverstein

SUBJECT: Waste Treatment Charges

The drop in total billings for 1983 compared to 1982, as pointed out in your January 6 memo, is undoubtedly due to the start-up of the anode cooling water system this past summer. From June through December there was a dramatic drop in the volume discharged and even though there was an increase in December due to the number of bleeder lines opened for freeze protection, the volume for December was still less than half the average of the first five months of 1983. This drop is distorted when comparing only our percentage contribution to the total village discharge since that figure fluctuates widely from month to month.

A valid analysis of charges for acidity, oil and sludge cannot be made due to the fact that, for six of the twelve months in 1983, our contribution was an estimated figure. A failure of the sample pump on the Cerro East lift station was the reason for the estimated billings and most of our contributions in these three parameters come from the Cerro East discharge. Whatever basis the Treatment Plant uses for determining estimated billings certainly does not take into consideration the changes that were brought about by the new anode cooling water system. Offsetting this is the fact that during the period of estimated billings we emptied the pond and discharged a sizable slug of sludge to the sewers.

The sample pump is now operating and hopefully there will be no more estimated billings. Around the middle of this year we should have enough data to obtain a realistic picture of the actual reduction in charges that can be attributed to the new anode cooling water system. There are good indications that the total savings will compare favorably with the projections presented in the AFE.

SAS/jpl

1983 DATA DE WON AT QUERTONN ROSULT IN 1984. Smay - JOHN SCHUSTOR - R.E.C. TO ADVISE. 16m (a) 1/2

1000000E ACIDITY SLUDGE OIL 25.6 15.7 5 63 0.63 5 7.43 3.0 E 149 131 JAN .0055 1188 .0156 . 3536 3 28.5 14.0 .46 .46 9.38 6.0 1325 35.6 FEB 1.06 PZ .1357 .2955 .0096 23.3 11.6 .023 .023 13.7 2.9 134.6 62.9 MAR . 0003 0984 :0741 . 2684 26.6 24.1 10.2 159 23.0 17.2 APR 1034 -159 10 1905 .0848 10048 1274 16.5 1228 122.2 110.1 509 22.5 509 13 MFY 15196. . 2850 .0111 .2097 15 19.6 (67) (33.9 110.0 8.6 .354 .359 JUN 16,0 16 1.0083 .1816 ,0510 .2150 18 17.5 (18.1) 1/8.1 JUL 1296 82.4 2201 .296 19 .0693 0044 .1135 12011 20 21 16.2 10.6 116.2 20.8 1.933 AU6 17.Z 22 ٦3 .1549 .0437 .0707 1274Z 24 15.2 2.0 13.2 65 .338 SEP . 338 82.4 25 236 10092 . 2289 . 2159 26 .0486 27 23.6 21.8 .978 99.7 778 28 12.7 11 717 . 2094 3212 .0 694 .1403 29 col ्रेष्य 5 2 (1.98) 1000 9.4. -194 22.9 2202) 939 ,0509 32 0233 .31 35 . 2960 33 14.2 9.6 1223 DEC 1.223 \$3.7 部 18.4 (高 ,0694 .0677 , 3308 2836 36 37 38 39 40 C03661

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cc: R. E. Conreaux J. Schuster File 1104

## INTERNAL MEMORANDUM

HQ-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

s. A. Silverstein

nate. January 6, 1984

FROM:

Paul Tandler

SUBJECT:

SAUGET WTP CHARGE DISTRIBUTION

A review of our 1983 billings reveals the following, as seen in the attached tabulation:

- Our total billings for 0 & M were \$86,000 below 1982. That's good.
- Our flow and sludge share has declined, but the latter seems on the rise again in November-December. That's good news and bad news.
- 3. Our acidity (ph control) share is on the rise in the second half of the year. That's bad.
- 4. Our oil share is up and down, but mostly up. That's bad too.

Our "share" is of course affected by the volumes generated by others, and if they improve - and we do not - our share goes up.

Since you receive monthly reports of actual quantities attributed to Cerro and others, a more meaningful comparison and analysis might be in order so that we can better deal with such controllable factors as oil and ph.

Please let me have your thoughts.

PT/ge

Attachment

<u>1983</u>	FLOW	ACIDITY	OIL	SLUDGE
Jan.	.119	.0156	.0655	.351
Feb.	.136	.0096	.0692	.296
Mar.	.098	.0003	.0741	.268
Apr.	.085	.0048	.1274	.191
May	.092	.0111	.2097	<b>.</b> 285
June	.051	.0083	.2150	.182
July	.060	.0044	.1135	.201
Aug.	.071	.0437	.1549	.274
Sept.	.049	.0092	.2289	.216
Oct.	.060	.0212	.1403	.209
Nov.	.051	.0233	.2960	.314
Dec.	.069	.0677	.3308	.284
		<del></del>		
YEAR	.0766	.0144	.1463	.2473

47,000 lbs. Cu/YA. Corem Loss

Estim. 240,000,000 Coms/YR.

2000 × 106

47,000 = 24 Ppm